

ABSTRACT

A turbocharger system for a combustion engine and method of installing a turbocharger system includes a turbocharger having an oil inlet configured for being coupled to a pressure side of an oiling system and an oil outlet, an exhaust inlet and outlet and an air charge inlet and outlet. An oil pump is connected to the oil outlet of the turbocharger and is further connected to the oiling system. A pressure driven check valve is coupled to the oil inlet of the turbocharger to prevent oil from flowing into the turbocharger when the pressure on the pressure side of the oiling system drops below a predetermined level. The turbocharger system also includes mounting hardware for mounting the turbocharger to an exhaust pipe and away from the engine and at or below the oil level of the oiling system. In one embodiment, the method of installing the turbocharger system includes removing an existing muffler from the vehicle and mounting the turbocharger in the location of the existing muffler.